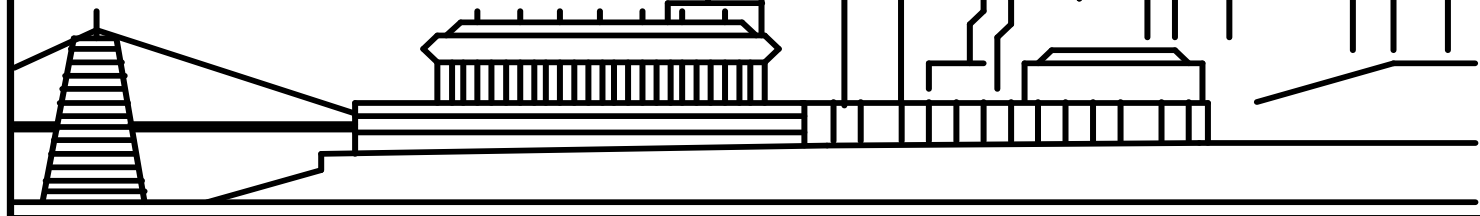




INSTITUTE OF
ELECTRICAL &
ELECTRONICS
ENGINEERS, INC.



JANUARY 1997

IEEE CINCINNATI SECTION NEWSLETTER

JANUARY MEETING: TOUR OF U.C.'S COLLEGE OF DESIGN, ARCHITECTURE, ART & PLANNING COMPUTER GRAPHICS CENTER

DATE: THURSDAY, JANUARY 23, 1997

PLACE : DAAP Computer Graphics Center
(see directions)

TIME: 7:00 p.m. (Tour)
8:30 p.m. (Approx. - Adjourn)

Note: This is NOT a dinner meeting!!!!

Please call Dee Scott at
385-9446

by **Noon, Wednesday, January 22nd** if you plan to attend.

ABOUT THE MEETING: This month's meeting will feature a tour of UC's College of Design, Architecture, Art and Planning (DAAP) Computer Graphics Center.

The College of Design, Architecture, Art, and Planning at the University of Cincinnati is charged with undergraduate and graduate education in the design, environmental, and art disciplines. It is committed to: responsible change and development in those disciplines; excellence in teaching and learning, research, and creative works; sharing the benefits of these activities with the University, the allied professions, and the general community.

The Computer Graphics Center was officially dedicated on January 15, 1987. The Center moved in June, 1996 to the new Aronoff Center for Design and Art, where it continues to serve as the focal point for DAAP initiatives in computer graphics instruction and research. The Electronic Media Production Center, which is also located within DAAP serves as an extension to the Center and provides support for high end audio and video production. In addition, their partnership with the Center for Academic Technology provides exciting cross-platform training, research and development resources. The Center is an active participant in the annual SIGGRAPH conference, where several DAAP students and alumni recently won first place, second place, and other awards for their animation work.

The Computer Graphic Center's hardware arsenal includes Sun Sparcstations, Silicon Graphics Inc. workstations, PowerMacintosh and Intel Pentium PCs, and various peripherals, such as 2D and 3D digitizers,

scanners, plotters and color printers. They utilize multiple platform solutions from Adobe, Alias/Wavefront, Autodesk, Kinetix, AutoDesSys, SDRC, ESRI, Sense8, Macromedia, CDI, and Quark.

Directions to DAAP

From I-71

Exit at Taft Road, proceed west (straight) along Taft to Clifton Avenue. Taft becomes Calhoun as you approach campus. Turn right (north) on Clifton, drive past 2 pedestrian crosswalks, then turn right on College Court (the last driveway on your right before Martin Luther King Drive). To park, follow College Court to the Brodie Parking Structure. The main entrance to the new Aronoff Center for Design and Art faces Brodie.

From I-75:

Exit at Hopple Street, proceed east (Hopple becomes Martin Luther King) to Clifton Avenue. Turn right (south) on Clifton, and immediately left on College Court (the first driveway on your left past Martin Luther King Drive). To park, follow College Court to the Brodie Parking Structure. The main entrance to the new Aronoff Center for Design and Art faces Brodie.

CHAIRMAN'S MESSAGE

by Randy Holt

HAPPY NEW YEAR! Thank you for electing me as your new chairman. Thanks to Steve Olenick and your Executive Committee, the Cincinnati Section is alive and well. We have had many interesting technical meetings in the past two years, and my goal is to continue that trend. I would also like to thank Bob Morrison for his work on the newsletter; like you, I look forward to each issue and the interesting articles by Dick Reiman on the history of electricity and electronics. Bob has also spearheaded the efforts to make our newsletter available via e-mail, and this can save us hundreds of dollars each month on postage alone while also getting it to you quicker.

I was able to attend the IEEE Sections Congress 96 in Denver this fall and was very impressed with our leadership throughout the world. As you might already know, this congress is convened every three years to provide direction for the national organization. Every section is asked to send one delegate, and approximately 400 members were in attendance. I included a short article in last month's newsletter on the meeting, and I would now like to summarize the final recommendations from the Sections Congress:

The first five recommendations related to the use of the Internet in providing information to members at the national, regional, and local levels. The next priority emphasizes outreach efforts to promote membership growth and reduce membership losses; this was followed by a recommendation to make large and small companies aware of the value and mutual benefits of IEEE membership. Continuing education was addressed in the next few priority items, asking the national office to promote innovative ways to educate our members. The above summaries cover the first ten items, and I have the document describing all 38 items if you want to see it.

Our section has started developing a home page, thanks to Jim Everly. Cincinnati Bell (thanks to Orest Melnyk) has offered us space on Fuse Net for this page, and my guess is that we'll have something permanent very soon. If you want to look at the preliminary page, browse <<http://mozart.cas.uc.edu/~everly/>>.

Regarding membership growth and losses, I suspect that the concept of "perceived value" may be a factor. In other words, does IEEE provide enough services to justify the membership fee? This year I plan to concentrate on this item as my number one objective. Not only do I want to continue having excellent technical programs

and a great newsletter, I also want to find ways that the Cincinnati Section can provide useful services to you. If we purchased good technical videotapes and other continuing education items and made them available to members at a central location, would you use them? If we provided IEEE educational items at a discount, would you purchase them? If we offered continuing education workshops, would you attend? Please contact me with your suggestions (Home: 232-5874, Work: 572-5710, E-mail: holthr@nku.edu).

I am honored to represent you as Chairman of the Cincinnati Section, and I look forward to working with you to make our section both interesting and useful.

EDITOR'S MESSAGE

by Bob Morrison, Editor

I would like to extend, on behalf of your Executive Committee, a "Happy New Year" to all our members. I would also like to congratulate the newly elected Cincinnati Section Officers. Randy Holt is the new Chairman, Chris Anderson is the new Secretary and Bob Haas, Orest Melnyk and Ron Harbaugh remain in their positions of Vice-Chairman, Treasurer and Member-At-Large, respectively. We hope that we can continue to service the needs of the Cincinnati Section in a responsive and educational way.

In addition, I would like to announce the winner of the \$100 prize in the IEEE Newsletter Drawing which was contained in the Nov./Dec. newsletter. There were 55 responses returned to me. The winner is William A. Russo, IEEE Member No. 06100994. As a result of this drawing, there are now approximately 68 members who will begin receiving this newsletter via e-mail, which will result in an annual savings to the Section of approximately \$500.

If you would like to receive this newsletter by e-mail instead of regular mail, please call me at 287-3697 or e-mail me at j.r.morrison@ieee.com

A MESSAGE FROM YOUR PACE CHAIRMAN

"A Network of Professional Activities for Engineers"

by Bill Lohner, PACE Chairman

It's the start of a new year and following the usual pattern I plan to mention some of the accomplishments of the past year and goals for the new year.

During the past year we brought in Mr. George McClure, Chairman of the Benefits and Individual Services Committee of IEEE, to discuss the benefits and activities available through PACE. Due to a glitch in our Newsletter mailing the attendance at the meeting was not what I had expected. The attendees who were at the meeting were recipients of information of various IEEE programs and benefits.

In March I went to Connersville High School in Indiana and participated in the IEEE Faraday Lecture Program, with the students interested in science and technical studies. The "Faraday Lecture" was given VIA satellite from England and was recorded by the high school. The presentation was on the new railroad tunnel between England and France. While there I spent approximately one hour with the students discussing technical education and employment. I also distributed "Engineering And You" pamphlets. The program was well received by the students.

The Cincinnati IEEE has also nominated a candidate for one of the Engineering Society of Cincinnati engineering awards. The awards will be presented during "Engineers Week" in February. The IEEE has submitted our candidate's qualifications and we hope we are successful in receiving the award.

We were not successful in the Cincinnati Section in finding a candidate for any IEEE national awards. Again if you work with someone or know of someone you think worthy for a national IEEE award let us know.

Presently I hope to distribute "Engineering And You" pamphlets to the various high schools in Hamilton County. The pamphlet answers questions like, "What do engineers do?", necessary courses to enter technical colleges and engineering schools, engineering specifics, "After high school what?", and other questions concerning careers. Hopefully this will encourage students to enter technical careers.

Later in 1997 I would like to bring in another PACE speaker. Let me know what subjects you would like discussed.

William J. Lohner
PACE Chairman
8703 Indianwoods Drive
Cincinnati, Ohio
(513)-385-7268

REPORT FROM 1996 SECTIONS CONGRESS

by Randy Holt, Chairman

Every three years, the IEEE sponsors a meeting and invites a representative from each section to attend. The major purpose of this Section Congress is to draft a set of recommendations that will serve to guide the national organization over the next three years. Prior to the development of these recommendations, an assortment of tutorials and workshops are provided to prepare everyone for the caucuses that create these recommendations.

This year's conference was held in Denver, Colorado, on November 1 through 4, 1996. About 78% of the U.S. sections were represented along with about 70 representatives from outside the U.S. My guess is that about 400 people were in attendance (counting IEEE staff).

As you probably know already, the IEEE is the world's largest professional society with over 320,000 members; approximately 25% are from outside the United States. The yearly budget is about \$130 million, one-third coming from investments and earnings, another third from conferences and publication sales, and the last third from member dues. I found it interesting that each year we lose about 40,000 members and then make up that number with new members. Young engineers fresh out of school don't appear to be very interested in the IEEE.

Obviously, then, there were two major foci at the 96 Sections Congress: how to retain existing members and how to attract new ones. It all appears to center around the "perceived value" of a membership (that is, what does the member get for his/her dues?).

Another major interest was in how the IEEE is planning to use the Internet to provide organizational and technical information. Given that the IEEE receives about one third of its budget from publications, there obviously has to be a way to not give that information away for free.

One interesting development is coming from the Educational Activity Board (EAB). They have a new program where they will consign self-study guides and other technical publications to a section to facilitate purchases by members. They offer a 20% discount to the section, so the section can either sell the items at list and make a little on the sale or can offer these things to members at the discounted price. EAB has also developed a workshop on their Career Asset Manager (CAM) package and will provide it to a section at no cost if that section presents it to the members. The consigned copies of CAM can then be purchased by participants.

EAB has also arranged to provide continuing education units (CEUs) for some of their programs, and there is a procedure where a local tutorial given by a section can also earn CEUs. The IEEE will then keep track of these units for each member. The expectation is that CEUs might become part of the professional engineering registration requirements in the near future.

After the tutorial and workshops, representatives then attended two caucuses, one in a given subject (employer support, employment issues, image of the engineer, member communications, recent graduates, societies and their chapters, volunteer recruitment and leadership, financial concerns of the section, and membership development) and the second based on their region (Cincinnati Section is in Region 2, and there are ten regions). Each caucus was asked to provide two recommendations for voting, so a total of 40 recommendations could be presented. In this Sections Congress, two of the 40 were duplicative, so 38 recommendations were brought to the floor. Each representative then assigned a priority to each recommendation and these priorities were tallied. I will provide another report next month to discuss this list, and I suspect that these items will guide the section activities over the next three years as well as those of our international organization.

This was my first Sections Congress, and I was very impressed with the way it was organized and the importance our IEEE officers placed on our participation. I was also impressed with the quality of the attendees and presenters and really enjoyed getting to know many of them.

The next Sections Congress will be in Minneapolis, Minnesota, in October of 1999.

If any of you have any questions, please see me at our regular technical meetings, or contact me via e-mail (holthr@nku.edu).

IEEE NEWS

IEEE AND IEE SPONSOR 1997 FARADAY LECTURE

Piscataway, N J, December 3, 1996 -- The IEEE, in conjunction with the Institute of Electrical Engineers (IEE), will broadcast the 1997 Faraday Lecture on February 4, 1997. This lecture will be simulcast via satellite so that students around the world will be able to participate in this event.

The North American broadcast is being coordinated by the Educational Activities Board, the Regional Activities Board, and the United States Activities Board. The IEEE Regional Activities Board has coordinated the North American broadcast of the Faraday lecture for the past three years. Past subjects of the broadcast have included telecommunications, the English Channel tunnel, and mobile communications.

The 1997 lecture - tentatively entitled. "But what's the use of it, Mr. Faraday?" - will demonstrate the concept of electromagnetism and show how it is used in a variety of ways in medicine, industry, commerce, and leisure. Engineers have built on Faraday's discovery to develop systems that influence our daily lives to an extent we seldom realize.

In 1831, Michael Faraday observed the principles of electromagnetic induction. Unlike the discovery that electricity has a magnetic effect, this new observation was not accidental but rather was the result of several years of dedicated and meticulous experimentation. Individual lectures in the series focus on specific aspects of Faraday's important discovery. Past Faraday Lectures on telecommunications, cellular communications, and the Eurotunnel have offered captivating looks at technological achievement in the field of electrical engineering.

The Faraday Lectures, begun in 1924, are designed to introduce secondary school students to the field of electrical engineering through a lively hour-long program which combines background, demonstrations, experiment, and explanations of cutting-edge technology. Schools may receive the hour-long, free broadcast via a satellite downlink. The program will be simulcast live to both C-band and KU-band satellites. Teachers are given a workbook for duplication and distribution to students. Teachers may tape and retain this program indefinitely. Tapes of past broadcasts are also available for purchase.

Though the lectures are primarily geared to students in grades 10-12, students of almost any age enjoy seeing the fascinating demonstrations of technological developments as well as the dazzling special effects. Teachers of grades six through college registered their classes for the lecture that aired last February and reported an excellent response from their students.

The Faraday broadcast is intended to build a relationship between the IEEE and the pre-college educational committee, and teachers of science, technology, and math. This broadcast highlights the benefits of engineering as a career and the importance of society membership to the engineer. IEEE Sections frequently volunteer engineers to be available in person following the broadcast to answer students' questions, thus introducing prospective engineering students to potential mentors. IEEE Sections can also help identify the availability of local satellite downlink sites.

For information on how to receive the Faraday broadcast, contact IEEE, 445 Hoes Lane, Piscataway, New Jersey 08855; (908) 562-5485; faraday-program@ieee.org.

IEEE ASSEMBLY ELECTS BOARD MEMBERS FOR 1997

PISCATAWAY, NJ, November 7, 1996 -- The Assembly of The Institute of Electrical and Electronics Engineers, Inc. (IEEE) elected board members for 1997 during the meeting of the Assembly and the Board of Directors in Denver.

Re-elected to their second one-year terms were Raymond D. Findlay, vice-president - Regional Activities; Donald C. Loughry, vice president - Standards Activities; Jerry Yeargan, vice president - Educational Activities; and Howard L. Wolfman, treasurer.

Newly elected were Daniel R. Benigni, vice president - Professional Activities; Friedolf M. Smits, vice president - Publication Activities; Lloyd A. Morley, vice president - Technical Activities; and Paul Y.S. Cheung, secretary.

The officers will begin their term on 1 January 1997 led by 1997 IEEE President Charles Alexander.

The 23-member Assembly consists of the directors representing regional organizations and technical divisions within the IEEE worldwide, and the president, president-elect and past president.

'CORPORATE RESPONSIBILITY' ISSUE HASN'T TRANSCENDED CAMPAIGN RHETORIC

Nov., 1996 -- After Republican presidential candidate Pat Buchanan injected the issue into the New Hampshire primary, "corporate citizenship" became a mantra in the 1996 political campaign, with politicians of both parties seeking to capitalize on pockets of economic insecurity and distrust of the changing corporate culture. Now that President Clinton has been re-elected, it is unclear whether the corporate-responsibility issue will resonate with the next administration or the 105th Congress.

Last year, several policy-makers urged the government to create incentives for responsible corporate citizenship. In February, Labor Secretary Robert Reich argued that companies need an economic reason to do things which are beneficial for society as a whole but which do not necessarily improve their balance sheets. President Clinton himself seized the "bully pulpit" by inviting 100 business leaders to a May 16 summit that exhorted U.S. businesses to emulate companies chosen as models of corporate citizenship.

In Congress, Sen. Edward Kennedy, D-Mass., introduced the American Workers Economic Security Act, calling for tax and other economic incentives to businesses that invest in education and training, child care, health insurance and retirement benefits, new technologies, and profit sharing.

The Kennedy bill echoed a Senate Democratic task force's conception of the model corporate citizen -- the so-called "A-Corp," defined as a business allied with America's working families. Earlier, Sen. Jeff Bingaman, D-N.M., proposed that such corporations should "get the benefit of favorable tax, regulatory and government-contract treatment" if they met the following criteria:

- o contribute at least 3 percent of payroll to a pension plan;
- o spend at least 2 percent of payroll on employee training or education;
- o offer their employees a health-care plan of which the employer pays at least half the cost;
- o establish a profit-sharing plan for U.S. workers in which at least half of all employees participate;
- o ensure that highly compensated employees receive no more than 50 times the compensation of the lowest-paid full-time employees;
- o agree that 50 percent of new R&D investment, and 90 percent of plant investment, will occur in the United States; and
- o maintain above average occupational safety and environmental compliance records.

IEEE-USA joined the debate in May by publishing full-page ads in THE WASHINGTON TIMES and ROLL CALL titled, "American Engineering and Corporate Citizenship." According to the IEEE-USA ads: "Government can encourage responsible corporate citizenship through tax and other incentives. Legislation to expand health-care and pension portability can be part of the solution. In the long run, however, it is up to individual companies to recognize the value of investing in their people and in their communities."

IEEE-USA is determined to work with the administration and Congress in 1997 to promote legislative improvements in pension portability, and to encourage employers to develop employer-employee relationships that help to attract, motivate and retain well-qualified workers.

105TH CONGRESS WILL CHOOSE NEW TECH-POLICY LEADERS

Nov., 1996 -- The 105th Congress will sport a new look in its tech-policy leadership when it convenes this month. Senate Commerce, Science and Transportation Committee Chairman Sen. Larry Pressler, R-S.D., was defeated in his re-election bid, while House Science Committee Chairman Rep. Robert S. Walker is retiring. Replacing them as chairmen of the two committees are Sen. John McCain, R-Ariz., and Rep. James Sensenbrenner, R-Wis. On the Democratic side, Rep. George Brown, D-Calif., survived a very close election and will return as the House Committee's ranking minority member.

IEEE-USA PUBLISHES EMPLOYMENT GUIDELINES

Nov., 1996 -- IEEE-USA's Career Maintenance and Development Committee has published IEEE-USA GUIDELINES FOR PROFESSIONAL EMPLOYMENT, a guide designed to help employers and technical professionals foster mutually satisfactory working relationships. Included are such topics as recruitment, career

outlook, ethics, intellectual property and professional development. Call 1-800-678-IEEE and ask for product no. UH 2967-0-0-1-0 (\$6.95 for members, \$8.95 for non-members).

IEEE-USA WEB UPDATE: ENERGY POLICY AND R&D POLICY COMMITTEES GO ON-LINE

Nov., 1996 -- Two key committees of IEEE-USA's Technology Policy Council have established new Web sites. IEEE-USA's Energy Policy Committee launched its web page on Nov. 12 to keep members up to date on IEEE-USA's efforts to promote sound energy-related policies, laws, and regulations at the national, state, and local level.

The IEEE-USA Research and Development Policy Committee's new Web presence aims to keep members informed of the committee's efforts to promote a strong national investment in research and development. The committee has also compiled on-line a comprehensive reference to R&D policy reports and resources, including science and technology documents from the United Kingdom, European Commission and Japan, as well as the U.S. government.

The Energy Policy Committee web page is located at URL <[www.ieee.org/usab/ DOCUMENTS/ FORUM/ COMMITTEE/epc.html](http://www.ieee.org/usab/DOCUMENTS/FORUM/COMMITTEE/epc.html)>, while the R&D Policy Committee's site resides at <www.ieee.org/usab / DOCUMENTS/FORUM/ COMMITTEE/rdc.html>.

WANTED: IEEE CONSULTANTS

Nov., 1996 -- Anyone wishing to be included in the 1997 IEEE-USA DIRECTORY OF ELECTROTECHNOLOGY CONSULTANTS should contact IEEE-USA's Bill Anderson at 202-785-0017, ext. 330, or <w.anderson@ieee.org>, for more information on how to register for the directory and the Web database.

IEEE-USA SALARY SURVEY COMING SOON

Nov., 1996 -- IEEE-USA will mail the 1997 salary survey questionnaires to a sample of U.S. members in early January. If you receive one, please take the time to complete and return it. The survey report is an important source of information for members who are in salary negotiations and companies that are considering salary increases. Your contribution helps to ensure the statistical validity of the survey results.

IEEE MEMBERS CHOOSE JOSEPH BORDOGNA AS 1997 PRESIDENT-ELECT

PISCATAWAY, NJ, November 7, 1996-- Joseph Bordogna, acting deputy director and chief operating officer, National Science Foundation, has been elected 1997 president-elect of the Institute of Electrical and Electronics Engineers, Inc. (IEEE). Dr. Bordogna will begin serving as IEEE president on January 1, 1998.

Of the 225,836 ballots mailed to eligible IEEE voting members, 44,391 valid ballots (19.66 percent) were returned. This compares with 19.95 percent in 1995.

Dr. Bordogna was one of two candidates nominated by the IEEE Board of Directors for this office. The other candidate was Vijay K. Bhargava, professor, Department of Electrical and Computer Engineering, University of Victoria, British Columbia.

Of the members who voted, 30,900 selected Dr. Bordogna. Dr. Bhargava received 16,511 votes.

Dr. Bordogna joined the Institute in 1955, became a senior member in 1970 and was named an IEEE Fellow in 1976. His many IEEE activities include terms as secretary, National Circuits Standards from 1964-70 and as

president of the Education Society from 1977-81. He served as chairman of the Centennial Technical Convocation in 1983-84, as chairman of the Philadelphia Section in 1987-88 and as chairman of the Awards Board Education Medal Committee in 1988.

In 1989-91, he was the IEEE representative to the ABET Board of Directors. He served as a member of the Technical Activities Board from 1979-83. In

1996 he chaired the Institute's New Technology Directions Committee and was a member of the Technology Assessment Opportunities Committee.

The results of the other Office elections are director, Division II - Robert B. Voller; director, Division VI - Merrill W. Buckley, Jr.; director, Division X - Michael K. Masten. They will assume office on 1 Jan 1997. Taking office on 1 Jan 1998, these candidates were selected as director-elect: Division V - Mario R. Barbacci; Region 5 - George R. Dean; Region 6 - W. Cleon Anderson.

ANNOUNCING A PROGRAM FROM EDUCATIONAL ACTIVITIES - EDUCATIONAL PUBLICATIONS CONSIGNMENT PROGRAM

Nov., 1996 -- The Educational Activities Board of the Institute of Electrical and Electronics Engineers, Inc., announces the development of the Educational Publications Consignment Program. Sections can offer members IEEE educational and career development publications with no initial investment. In addition, Sections can receive up to a 30% discount off the regular IEEE member price.

Order one or several of Educational Activities' publications to be sold at the next meeting. Keep the books for up to two months (two meeting cycles). Return the unsold products to Educational Activities, then pay the discounted rate for only the products sold. This program allows Sections to either raise funds for the Section or to pass the savings along to members.

Products available under this program include:

- Engineers Guides to Business (30% discount off member price)
- Educational Selected Readings (30% discount off member price)
- Self-Study Courses (30% discount off member price)
- Career Asset Manager (CAM) (30% discount off member price)
- Career Xroads (20% discount off list price only)
- Covey's Seven Habits of Highly Effective People (20% discount off list price only)

Choose products from the Educational Product Catalog or the World Wide Web listings.

For more information about this or other programs sponsored by IEEE Educational Activities, contact Barbara Coburn, Career Development Program Manager, IEEE Educational Activities, 445 Hoes Lane, PO Box 1331, Piscataway, New Jersey 08855B1331; (908) 562-5498; b.coburn@ieee.org (e-mail); <http://www.ieee.org/eab> (World Wide Web).

PRESIDENT CLINTON ANNOUNCES INTERNET INITIATIVE

Oct., 1996 -- President Clinton announced on Oct. 10 a series of initiatives to promote the Internet and its use in research and education, including \$100 million in FY 1998 federal funding to support the first stage of a "Next Generation Internet Initiative."

The Internet Initiative aims to usher in the next millennium's information infrastructure by attaining the following goals:

- o Connecting at least 100 universities and national labs with high-speed networks that are 100 - 1000 times faster than today's Internet.
- o Promoting experimentation with the next generation of networking technologies.
- o Demonstrating new applications that advance important national goals such as scientific research, national security, distance education, environmental monitoring, and health care.

As a way of broadening educational use of electronic communications, Clinton invited comment on the Federal Communications Commission's proposal to provide free Internet access to local schools and libraries. The president urged that this initiative be funded through the Universal Access subsidy established in the 1995 Telecommunications Reform Act.

IEEE-USA has posted on the Web an issue brief on the Administration's Internet Initiatives with copies of the Clinton speeches, a white paper and a press conference with senior administration officials. See URL [www.ieee.org/usab/ DOCUMENTS/ FORUM/ISSUES/internet.html](http://www.ieee.org/usab/DOCUMENTS/FORUM/ISSUES/internet.html).

NEW MEMBERS

THE FOLLOWING ARE NEW IEEE MEMBERS IN THE CINCINNATI SECTION:

KWABENA Y. AGYEPONG	JOHN L. BELLANDO
BRYAN M. BUCHANAN	KIM S. CAMPBELL
CHARLES R. COMBS	JOSEPH D. DOOLEY
DOUG DURST	TOM ERDEVIG
MARK S. FREY	JEFFREY GINDLING
MATTHEW T. GRASSE	DAVID S. GREBE
MICHAEL HARTKE	DOUGLAS HARVEY
PHILLIP J. HAUSMAN	MARK HAYWORTH
BRIAN J. HOFFER	MEHDI KAMALIAN
CHRISTOPHER JONES	GREGORY LANEVE
WILLIAM C. LINK JR	WILLIAM MCCLOY
ANDREW MACINTYRE	SCOTT J. ROBINSON
YONG SEOK SUH	MIKE YORK
TSUNG-CHIH JOHN TSAI	

THE FOLLOWING ARE EXISTING IEEE MEMBERS WHO HAVE MOVED INTO THE CINCINNATI SECTION:

T. BALACHANDER	PAUL J. BOND
SCOTT M. BORISCH	SCOTT C. CAHALL
PRASANTA K. DE	NIKOLAUS DILGER
RONALD R. DULL	JOSEPH P. ENGEL
STEVEN D. HEROLD	MICHAEL L. HILTON
JON HOFFMAN	TAKESHI ISHIMOTO
MICHAEL J. LAMPING	ANDREW J. MARKS
DOUGLAS A. MAVETY	THOMAS S. QUINLIN
PRASAD NARASIMHAN	WALTER L. YEAGER
MARC SCHWARZCHILD	CARLOS J. YEPEZ
AMDEKAR M. YESHWANT	

Welcome to our Section!!!!



IEEE/AESS

Dayton Section

14th ANNUAL SYMPOSIUM

9 APRIL 1997

“SYNTHETIC VISUALIZATION: SYSTEMS & APPLICATIONS”

SYNOPSIS-The Dayton Chapter of the AESS is sponsoring a one day symposium of the state of the art of hardware and applications involved in the evolutionary development of synthetic visualization. The symposium will feature a keynote address by **Maj Gen Richard Paul**, AFMC/ST. The symposium agenda will address a broad technical area that encompasses virtual reality, hepatic interfaces, immersive awareness, telepresence, and other aspects of visualization. These technologies in multi-use applications are tools for solving practical problems in industry, government, academic, and scientific sectors. The conference will address the similarities and differences between applications of synthetic visualization. Interaction is expected to be substantial and widely dispersed in aircraft, and modeling system modifications and effects.

DATE: Wednesday 9 April 1997

PLACE: Fairborn Holiday Inn, near I 675 & N. Fairfield Rd., Fairborn, Ohio

FOR MORE INFORMATION: Registration Bob Rau (937-255-3160)

AESS & Symposium WEB Site: <http://www.dnaco.net/~buckeye/aess/>

Symposium Chair: John A. Hassoun, Veda Inc.

Dayton AESS Chair: Bruce Deerhake, ASC/FBXT

REGISTRATION FORM

Registration includes attendance at seminar, lunch w/lucheon speaker, a copy of the proceedings, and refreshments at breaks.

Name: _____ Org. or Company: _____

Address: _____ Phone: (____) _____

Email: _____

City, St., ZIP: _____

Check appropriate boxes:

☐ Advanced Registration (IEEE & DoD Mbrs)** \$60

**(\$10 Non-refundable deposit for advance registration. Balance due no later than 21 Jan 97)

☐ Advanced Registration (All others)** \$75

☐ Full Time Students (50 % Discount of ☐ box cost)

☐ Registration after 21 Jan 97 (IEEE & DoD) \$70

☐ Registration after 21 Jan 97 (All others) \$85

Make checks payable to: IEEE Dayton Section
(Credit Cards are not accepted)

Mail To: Robert J. Rau (937-255-3160)

123 N. First St., Apt 8

Fairborn, OH 45324

e-mail: raurj@xr.wpafb.af.mil

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Bob Haas - Vice Chairman	231-2584
Orest Melnyk - Treasurer	397-5419, o.melnyk@ieee.org (E-mail)
Chris Anderson - Secretary	573-6511
Ron Harbaugh - Member-At-Large	352-6202
Eric Wright - Member-At-Large	881-3329
Jack Beckmeyer - Arrangements Chairman	353-2643, 353-2671 (Fax)
Bill Lohner - PACE Chairman	385-7268
Bob Morrison - Editor	287-3697 (Office), 287-3698 (Fax) j.r.morrison@ieee.org (E-mail)

JANUARY 1997

IEEE CINCINNATI SECTION NEWSLETTER



**The Institute of Electrical and
Electronics Engineers, Inc.
C/O Dee Scott
P.O. Box 53308
Cincinnati, Ohio 45253**

DATED MATERIAL
Please deliver promptly

If undeliverable, please discard